

DESCRIPTION

PMI MODEL P4T-2G6G-70-T-SFF IS AN ABSORPTIVE, HIGH SPEED, SINGLE POLE FOUR THROW SWITCH CAPABLE OF SWITCHING WITHIN 50 ns TYPICAL. THE FREQUENCY RANGE IS 2.0 GHz TO 6.0 GHz. THIS SWITCH HAS > 70 dB ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: 2.0 GHz TO 6.0 GHz
- IMPEDANCE: 50 Ω
- INPUT POWER: +30dBm MAX (SURVIVAL)
+20dBm MAX (OPERATING)
- VSWR: 1.5:1 TYP
- INSERTION LOSS: 2.5dB TYP
- ISOLATION: 70dB MIN
- SWITCHING SPEED: 50ns TYP
- DC VOLTAGE: +5VDC, 200mA TYP
-15VDC, 100mA TYP
- CONTROL: SOLDER PIN
TTL Logic "0" = Low Loss
TTL Logic "1" = Isolation
E1 Controls J1 - J2
E2 Controls J1 - J3
E3 Controls J1 - J4
E4 Controls J1 - J5
- CONNECTORS IN/OUT: SMA (F)
- SIZE: (L) 1.25" X (W) 1.25" X (H) 0.4"
- FINISH: BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

ENVIRONMENTAL RATINGS

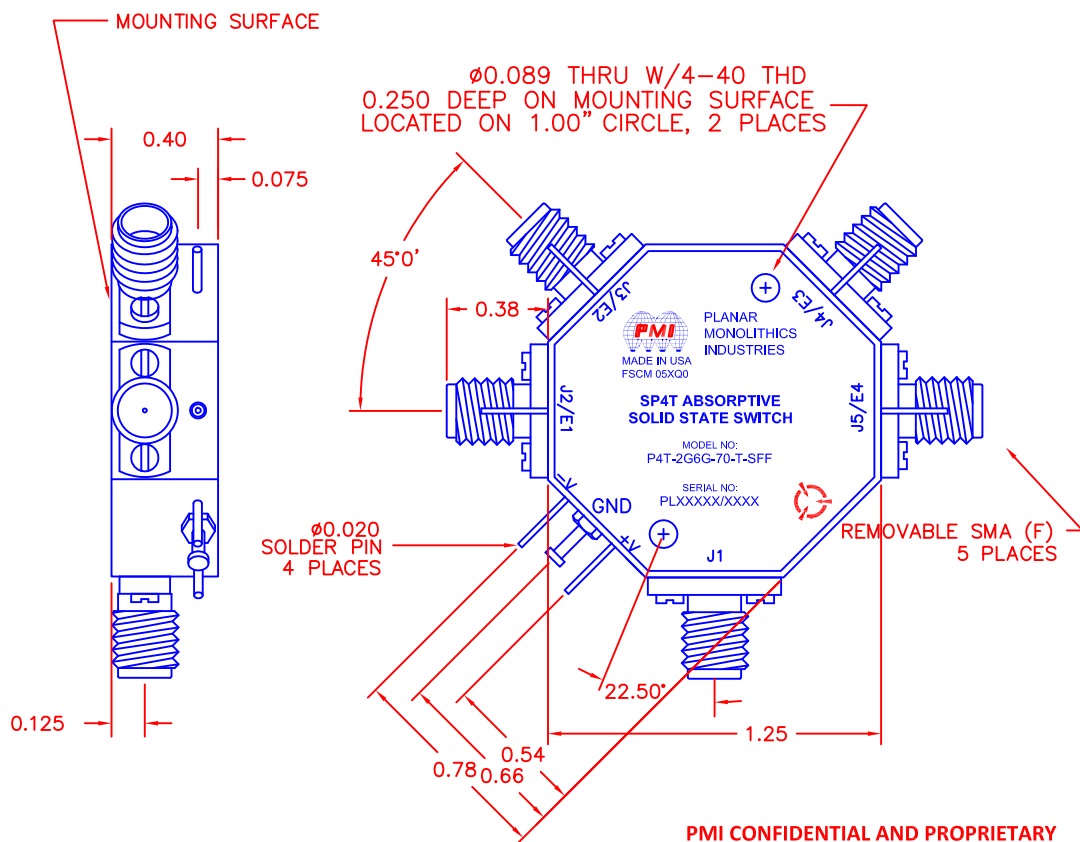
- TEMPERATURE: -55°C TO + 85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	—	PRELIMINARY	3/17/15

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN <i>K. MASON</i>		3/17/15		PRODUCT FEATURE			
CHECKED				P4T-2G6G-70-T-SFF			
ISSUED				PRELIMINARY			
SIZE A		FSCM NO. 05XQ0		DWG NO.		REV. —	
SCALE N:S				SHEET		1 OF 1	